

Ashish N Sawarkar

List of Publications by Year in descending order

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32
papers

1,130
citations

516215

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525886

27
g-index

32
all docs

32
docs citations

32
times ranked

691
citing authors

#	ARTICLE	IF	CITATIONS
1	Petroleum Residue Upgradation via Visbreaking: A Review. Industrial & Engineering Chemistry Research, 2008, 47, 8960-8988.	1.8	142
2	Petroleum Residue Upgrading Via Delayed Coking: A Review. Canadian Journal of Chemical Engineering, 2007, 85, 1-24.	0.9	139
3	Pyrolysis of banana leaves biomass: Physico-chemical characterization, thermal decomposition behavior, kinetic and thermodynamic analyses. Bioresource Technology, 2020, 310, 123464.	4.8	131
4	Petroleum coke gasification: A review. Canadian Journal of Chemical Engineering, 2014, 92, 441-468.	0.9	95
5	Studies on individual pyrolysis and co-pyrolysis of corn cob and polyethylene: Thermal degradation behavior, possible synergism, kinetics, and thermodynamic analysis. Science of the Total Environment, 2021, 783, 147004.	3.9	88
6	Co-pyrolysis of petroleum coke and banana leaves biomass: Kinetics, reaction mechanism, and thermodynamic analysis. Journal of Environmental Management, 2022, 301, 113854.	3.8	52
7	Kinetics of co-gasification of rice husk biomass and high sulphur petroleum coke with oxygen as gasifying medium via TGA. Bioresource Technology Reports, 2020, 11, 100479.	1.5	46
8	Pyrolysis of pigeon pea (Cajanus cajan) stalk: Kinetics and thermodynamic analysis of degradation stages via isoconversional and master plot methods. Bioresource Technology, 2022, 347, 126440.	4.8	41
9	Pyrolysis of garlic husk biomass: Physico-chemical characterization, thermodynamic and kinetic analyses. Bioresource Technology Reports, 2020, 12, 100558.	1.5	40
10	Insights into kinetic and thermodynamic analyses of co-pyrolysis of wheat straw and plastic waste via thermogravimetric analysis. Bioresource Technology, 2022, 356, 127332.	4.8	34
11	Cavitation induced upgrading of heavy oil and bottom-of-the-barrel: A review. Ultrasonics Sonochemistry, 2019, 58, 104690.	3.8	30
12	Thermal behavior and kinetics of pyrolysis of areca nut husk. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 2906-2916.	1.2	28
13	Ultrasound-intensified biodiesel production from algal biomass: a review. Environmental Chemistry Letters, 2021, 19, 209-229.	8.3	28
14	Pyrolysis of mustard oil residue: A kinetic and thermodynamic study. Bioresource Technology, 2021, 339, 125631.	4.8	28
15	Use of ultrasound in petroleum residue upgradation. Canadian Journal of Chemical Engineering, 2009, 87, 329-342.	0.9	26
16	Thermal degradation and pyrolysis kinetics of two Indian rice husk varieties using thermogravimetric analysis. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-12.	1.2	25
17	Thermal decomposition aspects and kinetics of pyrolysis of garlic stalk. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-11.	1.2	22
18	Insights into kinetics, reaction mechanism, and thermodynamic analysis of pyrolysis of rice straw from rice bowl of India. Bioresource Technology Reports, 2021, 13, 100639.	1.5	21

#	ARTICLE	IF	CITATIONS
19	Pyrolysis of agricultural crop residues: An overview of researches by Indian scientific community. Bioresource Technology Reports, 2021, 15, 100761.	1.5	17
20	Upgrading of Mumbai High vacuum residue. Petroleum Science and Technology, 2019, 37, 1090-1098.	0.7	15
21	Preparation and characterization of CuO catalyst for the thermolysis treatment of distillery wastewater. Environmental Technology (United Kingdom), 2018, 39, 2604-2612.	1.2	13
22	Design and retrofitting of ultrasound intensified and ionic liquid catalyzed in situ algal biodiesel production. Chemical Engineering Research and Design, 2021, 171, 168-185.	2.7	13
23	Simultaneous optimization of economic, environmental and safety criteria for algal biodiesel process retrofitted using dividing wall column and multistage vapor recompression. Chemical Engineering Research and Design, 2022, 164, 1-14.	2.7	10
24	Bioethanol from various types of banana waste: A review. Bioresource Technology Reports, 2022, 18, 101092.	1.5	9
25	Kinetics of Gasification and Co-gasification of Petcoke and Coal. Journal of the Institution of Engineers (India): Series E, 2022, 103, 31-39.	0.5	8
26	Pyrolysis of waste polyethylene under vacuum using zinc oxide. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-15.	1.2	8
27	Multiobjective optimization of ultrasound intensified and ionic liquid catalyzed in situ algal biodiesel production considering economic, environmental and safety indicators. Chemical Engineering Research and Design, 2022, 180, 134-152.	2.7	8
28	Utilization of human urine and waste aluminum for generation of hydrogen. Bioresource Technology Reports, 2021, 15, 100821.	1.5	4
29	Electrocoagulation process to remove contaminants of coking wastewater using aluminum electrode. , 0, 86, 68-79.		4
30	A Sustainable and Efficient Synthesis of Benzyl Phosphonates Using PEG/KI Catalytic System. Frontiers in Chemistry, 2016, 4, 35.	1.8	3
31	Pyrolysis of corn cob: physico-chemical characterization, thermal decomposition behavior and kinetic analysis. Chemical Product and Process Modeling, 2021, 16, 117-127.	0.5	2
32	Reaction kinetics and coke forming propensities of Arabian mix asphalt vis-a-vis Arabian mix vacuum residue. Petroleum Science and Technology, 2022, 40, 1333-1348.	0.7	0